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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,794	07/31/2006	Dirk Vollmer	3781	1275
Striker Striker	7590 07/22/2011 Striker Striker & Stenby		EXAMINER	
103 East Neck Road			TIETJEN, MARINA ANNETTE	
Huntington, NY 11743			ART UNIT	PAPER NUMBER
			3753	
			MAIL DATE	DELIVERY MODE
			07/22/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.	Applicant(s)			
10/587,794	VOLLMER ET AL.			
Examiner	Art Unit			
MARINA TIETJEN	3753			

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS,

WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of them may be variable under the provisions of 37 GPI 1/3(8). In no event, however, may a reply be timely liked after SIX (6) MONTHS from the making date of this communication.  INO period to reply is aperiod above, the machine studency produced with a provise SIX (8) MONTHS from the malting date of this communication.  INO period for reply is aperiod above, the machine studency produced with a provise SIX (8) MONTHS from the malting date of this communication can be sufficiently to be come abMONOMED (65 U.S.C. § 133). Any reduce any earned pattern term adjustment. See 37 CPR 17-04(b).
Status
1) Responsive to communication(s) filed on <u>02 May 2011</u> .
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
3)⊠ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.
Disposition of Claims
4) Claim(s) 1-24 is/are pending in the application.
4a) Of the above claim(s) 16-19 and 21-23 is/are withdrawn from consideration.
5)⊠ Claim(s) <u>1-15,20 and 24</u> is/are allowed.
6) Claim(s) is/are rejected.
7) Claim(s) is/are objected to.
8) Claim(s) are subject to restriction and/or election requirement.
Application Papers

- 9) The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 31 July 2006 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) X All b) Some \* c) None of:
    - 1. Certified copies of the priority documents have been received.
    - 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_
    - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- Notice of References Cited (PTO-892)
   Notice of Draftsperson's Patent Drawing Review (PTO-945)
- Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date

- 4) Interview Summary (PTO-413)
- 5) Notice of Informal Patent Application
- 6) Other: \_

#### DETAILED ACTION

#### Election/Restrictions

This application is in condition for allowance except for the presence of claims 16-19 and

21-23 directed to an invention non-elected with traverse in the reply filed on 05/27/2009.

Applicant is given TWO MONTHS from the date of this letter, whichever is longer, to cancel the noted claims or take other appropriate action (37 CFR 1.144). Failure to take action during this

period will be treated as authorization to cancel the noted claims by Examiner's Amendment and

pass the case to issue. Extensions of time under 37 CFR 1.136(a) will not be permitted since this

application will be passed to issue.

The prosecution of this case is closed except for consideration of the above matter.

Previously withdrawn claims 8-11 are rejoined and fully examined for patentability under
 CFR 1 104

### Allowable Subject Matter

- Claims 1-15, 20, and 24 are allowed.
- The following is an examiner's statement of reasons for allowance: The prior art fails to teach or render obvious the invention as essentially claimed.
- Brehm et al. (U.S. Pat. No. 5,547,165) was considered most pertinent to applicant's disclosure.

Brehm et al. disclose pulse valve (fig. 1) with a closing body (43) that cooperates with a valve seat (41) by at least a valve spring (25) and, in a first switching position, establishes a flow connection between a supply channel (40) and a discharge channel (44) and, in a second

switching position, blocks the flow connection, the closing body (43) periodically moving in a reciprocating motion between the two switching positions during an actuation of the pulse valve. wherein a hydraulic damping to a movement of the closing body by a throttle gap (50b, fig. 3) occurs in a damped range (within 51 b), wherein the closing body (43) is connected via a rod (21b) with a damping disk (22b) made of structural material, the damping disk provided in a damping cylinder (51b) that is open on a first end face, the damping cylinder forming around a circumference of the damping disk the throttle gap while the damping disk moving inside the damping cylinder, and wherein the damping disk (22b) exits the damping cylinder shortly before the closing body reaches the second switching position (as shown in fig. 3). However, Brehm et al, does not disclose wherein the damping cylinder is closed on a second end face located opposite to the first end face, except for a guide opening in which the rod is guided. Modifying Brehm's damping cylinder (51b) to include a closed second end face with only a guide opening would require substantial modification since the rod (21b) is not designed to extend past the damping cylinder. Furthermore, it would not be considered obvious for one to modify Brehm in such manner since there lacks motivation.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

4. This application is in condition for allowance except for the following formal matters:

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Art Unit: 3753

Withdrawn claims 16-19 and 21-23 need to be cancelled or addressed by another appropriated action (37 CFR 1.144).

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARINA TIETJEN whose telephone number is (571) 270-5422. The examiner can normally be reached on Mon-Thurs, 9:00AM-5:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, STEPHEN HEPPERLE can be reached on (571) 272-4913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. T./ Examiner, Art Unit 3753

/John K. Fristoe Jr./ Primary Examiner, Art Unit 3753